NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

PTO Draftpersons review all originally filed drawings regardless of whether they are designated as formal or informal. Additionally, patent Examiners will review the drawings for compliance with the regulations. Direct telephone inquiries concerning this review to the Drawing Review Branch, 703-305-8404.

The drawings filed (insert date)___6/16/94___, are
A._✓__ not objected to by the Draftsperson under 37 CFR 1.84 or 1.152.
B.____ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this Notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
   Black ink. Color.
   ___ Not black solid lines. Fig(s)_____
   ___ Color drawings are not acceptable until petition is granted.

2. PHOTOGRAPHS. 37 CFR 1.84(b)
   ___ Photographs are not acceptable until petition is granted.

3. GRAPHIC FORMS. 37 CFR 1.84 (d)
   ___ Chemical or mathematical formula not labeled as separate figure.
   Fig(s)_____
   ___ Group of waveforms not presented as a single figure, using common vertical axis with time extending along horizontal axis.
   Fig(s)_____
   ___ Individuals waveform not identified with a separate letter designation adjacent to the vertical axis. Fig(s)_____

4. TYPE OF PAPER. 37 CFR 1.84(e)
   ___ Paper not flexible, strong, white, smooth, nonshiny, and durable.
   Sheet(s)_____
   ___ Erasures, alterations, overwritings, interlineations, cracks, creases, and folds not allowed. Sheet(s)_____

5. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable paper sizes:
   21.6 cm. by 35.6 cm. (8 1/2 by 14 inches)
   21.6 cm. by 33.1 cm. (8 1/2 by 13 inches)
   21.6 cm. by 27.9 cm. (8 1/2 by 11 inches)
   21.0 cm. by 29.7 cm. (DIN size A4)
   ___ All drawing sheets not the same size. Sheet(s)_____
   ___ Drawing sheet not an acceptable size. Sheet(s)_____

6. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Paper size

21.6 cm. X 35.6 cm. (8 1/2 X 14 inches)	21.6 cm X 33.1 cm (8 1/2 X 13 inches)	21 cm. X 27.9 cm. (8 1/2 X 11 inches)	21 cm. X 29.7 cm. (DIN Size A4)
T 5.1 cm. (2")	2.5 cm. (1")	2.5 cm. (1")	2.5cm.
L .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	2.5 cm.
R .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	1.5 cm.
B .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	1.0 cm.

   Margins do not conform to chart above.
   Sheet(s)_____
   ___Top (T) ___ Left (L) ___Right (R) ___Bottom (B)

7. VIEWS. 37 CFR 1.84(h)
   REMINDER: Specification may require revision to correspond to drawing changes.
   ___ All views not grouped together. Fig(s)_____
   ___ Views connected by projection lines. Fig(s)_____
   ___ Views contain center lines. Fig(s)_____
   Partial views. 37 CFR 1.84(h)(2)
   ___ Separate sheets not linked edge to edge.
   Fig(s)_____
   ___ View and enlarged view not labeled separately.
   Fig(s)_____
   ___ Long view relationship between different parts not clear and unambiguous. 37 CFR 1.84(h)(2)(ii)
   Fig(s)_____
   Sectional views. 37 CFR 1.84(h)(3)
   ___ Hatching not indicated for sectional portions of an object.
   Fig(s)_____
   ___ Hatching of regularly spaced oblique parallel lines not spaced sufficiently. Fig(s)_____
   ___ Hatching not at substantial angle to surrounding axes or principal lines. Fig(s)_____
   ___ Cross section not drawn same as view with parts in cross section with regularly spaced parallel oblique strokes.
   Fig(s)_____
   ___ Hatching of juxtaposed different elements not angled in a different way. Fig(s)_____
   Alternate position. 37 CFR 1.84(h)(4)
   ___ A separate view required for _____
   Fig(s)_____

Modified forms. 37 CFR 1.84(h)(5)
   ___ Modified forms of construction must be shown in separate views.
   Fig(s)_____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
   ___ View placed upon another view or within outline of another.
   Fig(s)_____
   ___ Words do not appear in a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s)_____

9. SCALE. 37 CFR 1.84(k)
   ___ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.
   Fig(s)_____
   ___ Indication such as "actual size" or "scale 1/2" not permitted.
   Fig(s)_____
   ___ Elements of same view not in proportion to each other.
   Fig(s)_____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)
    ___ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (except for color drawings).
    Fig(s)_____

11. SHADING. 37 CFR 1.84(m)
    ___ Shading used for other than shape of spherical, cylindrical, and conical elements of an object, or for flat parts.
    Fig(s)_____
    ___ Solid black shading areas not permitted. Fig(s)_____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
    ___ Numbers and reference characters not plain and legible. 37 CFR 1.84(p)(1) Fig(s)_____
    ___ Numbers and reference characters used in conjuction with brackets, inverted commas, or enclosed within outlines. 37 CFR 1.84(p)(1) Fig(s)_____
    ___ Numbers and reference characters not oriented in same direction as the view. 37 CFR 1.84(p)(1) Fig(s)_____
    ___ English alphabet not used. 37 CFR 1.84(p)(2)
    Fig(s)_____
    ___ Numbers, letters, and reference characters do not measure at least .32 cm. (1/8 inch) in height. 37 CFR(p)(3)
    Fig(s)_____

13. LEAD LINES. 37 CFR 1.84(q)
    ___ Lead lines cross each other. Fig(s)_____
    ___ Lead lines missing. Fig(s)_____
    ___ Lead lines not as short as possible. Fig(s)_____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
    ___ Number appears in top margin. Fig(s)_____
    ___ Number not larger than reference characters.
    Fig(s)_____
    ___ Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s)_____

15. NUMBER OF VIEWS. 37 CFR 1.84(u)
    ___ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s)_____
    ___ View numbers not preceded by the abbreviation Fig.
    Fig(s)_____
    ___ Single view contains a view number and the abbreviation Fig.
    ___ Numbers not larger than reference characters.
    Fig(s)_____

16. CORRECTIONS. 37 CFR 1.84(w)
    ___ Corrections not durable and permanent. Fig(s)_____

17. DESIGN DRAWING. 37 CFR 1.152
    ___ Surface shading shown not appropriate. Fig(s)_____
    ___ Solid black shading not used for color contrast.
    Fig(s)_____

BEST AVAILABLE COPY

```
REMINDER

Drawing changes may also require changes in the specification, e.g.,
if Fig. 1 is changed to Fig. 1A, Fig. 1B, Fig. 1C, etc., the specification,
at the Brief Description of the Drawings, must likewise be changed.
Please make such changes by 37 CFR 1.312 Amendment at the time
of submitting drawing changes.
```

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities--37 CFR 1.85

File new drawings with the changes incorporated therein. The application number or the title of the
invention, inventor's name, docket number (if any), and the name and telephone number of a person
to call if the Office is unable to match the drawings to the proper application, should be placed on the
back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the
new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be
obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with
a transmittal letter addressed to the Drawing Review Branch.

2. Timing of Corrections

Applicant is required to submit **acceptable** corrected drawings within the three-month shortened
statutory period set in the Notice of Allowability (PTOL-37). f a correction is determined to be
unacceptable by the Office, applicant must arrange to have accepta le correction resub itted within
the original three-month period to avoid the necessity of obtaining ai extension of time and paying the
extension fee. Therefore, applicant should file corrected drawings s soon as possible.

Failure to take corrective action within set (or extended) period will r ilt in **ABANDONMENT** of
the Application.

3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO 948

All changes to the drawings, other than informalities noted by the Drawing Review Branch, **MUST**
be approved by the examiner before the application will be allowed. No changes will be permitted to
be made, other than correction of informalities, unless the examiner has approved the proposed
changes.